

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An image forming apparatus comprising a rotatable rotating body to and from which a plurality of developer containers can be attached and detached, each of said developer containers being capable of containing developer of a different color,

wherein, when said image forming apparatus continuously forms images on a plurality of sheets of media using the developer of a single color contained in one of said developer containers attached to said rotating body, said image forming apparatus causes rotational movement of said rotating body for at least one revolution at least either:

when said image forming apparatus starts to continuously form the images, or

when said image forming apparatus ends the continuous formation of the images; and

wherein, when said image forming apparatus continuously forms the images on the plurality of sheets of media using said developer of the single color, said image forming apparatus causes rotational movement of said rotating body every time a number of sheets of media on which the images have been formed reaches a predetermined number of sheets.

Claim 2 (canceled).

3. (original): An image forming apparatus according to claim 1, wherein

said image forming apparatus temporarily halts said rotating body at least once during rotational movement of said rotating body.

4. (original): An image forming apparatus according to claim 3, wherein said developer container includes:
a developer bearing body for bearing the developer; and
a developer supplying member for supplying the developer to said developer bearing body.

5. (original): An image forming apparatus according to claim 4, wherein:
said image forming apparatus further comprises an image bearing body for bearing a latent image;
said rotating body has a rotating shaft at the center of said rotating body; and
the direction from the developer container, which is attached to said rotating body and which contains said developer of the single color, towards said rotating shaft when said image forming apparatus temporarily halts said rotating body during rotational movement of said rotating body is in the direction from said rotating shaft towards said developer container that contains said developer of the single color when said rotating body is positioned at a predetermined developing position for developing said latent image with said developer of the single color bore by said developer bearing body.

6. (previously presented): An image forming apparatus according to claim 4, wherein:

said developer container includes:

a partitioning wall for partitioning said developer, the partitioning wall protruding inward from an inner wall of said developer container, and

two developer containing sections formed by partitioning said developer container with said partitioning wall; and

said developer supplying member is provided in one of said two developer containing sections.

7. (original): An image forming apparatus according to claim 6, wherein when said image forming apparatus temporarily halts said rotating body during rotational movement of said rotating body, an angle formed between a protruding direction of said partitioning wall of the developer container that is attached to said rotating body and that contains said developer of the single color and a vertically downward direction is smaller than 90°.

8. (original): An image forming apparatus according to claim 7, wherein a halt position of said rotating body for when said image forming apparatus temporarily halts said rotating body during rotational movement of said rotating body is a standby position of said rotating body for when said image forming apparatus is on standby for formation of an image to be carried out.

9. (original): An image forming apparatus according to claim 1, wherein said developer of the single color is black developer.

10. (currently amended): An image forming apparatus comprising a rotatable rotating body to and from which a plurality of developer containers can be attached and detached, each of said developer containers being capable of containing developer of a different color,

wherein, when said image forming apparatus continuously forms images on a plurality of sheets of media using the developer of a single color contained in one of said developer containers attached to said rotating body, said image forming apparatus causes rotational movement of said rotating body for at least one revolution at least either:

when said image forming apparatus starts to continuously form the images, or

when said image forming apparatus ends the continuous formation of the images

~~An image forming apparatus according to claim 1, and wherein said developer container is operable without a stirring member for stirring the developer.~~

11. (previously presented): An image forming apparatus comprising a rotatable rotating body to and from which a plurality of developer containers can be attached and detached, each of said developer containers being capable of containing developer of a different color, wherein:

when said image forming apparatus continuously forms images on a plurality of sheets of media using the developer of a single color contained in one of said developer containers

attached to said rotating body, said image forming apparatus causes rotational movement of said rotating body for at least one revolution at least either:

when said image forming apparatus starts to continuously form the images, or

when said image forming apparatus ends the continuous formation of the images; and

when said image forming apparatus continuously forms the images on the plurality of number of sheets of media using said developer of the single color, said image forming apparatus causes rotational movement of said rotating body every time a number of sheets of media on which the images have been formed reaches a predetermined number of sheets;

said image forming apparatus temporarily halts said rotating body at least once during rotational movement of said rotating body;

said developer container includes

a developer bearing body for bearing the developer, and

a developer supplying member for supplying the developer to said developer bearing body;

said image forming apparatus further comprises an image bearing body for bearing a latent image;

said rotating body has a rotating shaft at the center of said rotating body;

the direction from the developer container, which is attached to said rotating body and which contains said developer of the single color, towards said rotating shaft when said image forming apparatus temporarily halts said rotating body during rotational movement of said rotating body is in the direction from said rotating shaft towards said developer container that contains said developer of the single color when said rotating body is positioned at a

predetermined developing position for developing said latent image with said developer of the single color bore by said developer bearing body;

said developer container includes

a partitioning wall that is for partitioning said developer and that protrudes inward from an inner wall of said developer container, and

two developer containing sections formed by partitioning said developer container with said partitioning wall;

said developer supplying member is provided in one of said two developer containing sections;

when said image forming apparatus temporarily halts said rotating body during rotational movement of said rotating body, an angle formed between

a protruding direction of said partitioning wall of the developer container that is attached to said rotating body and that contains said developer of the single color and

a vertically downward direction is smaller than 90°;

a halt position of said rotating body for when said image forming apparatus temporarily halts said rotating body during rotational movement of said rotating body is a standby position of said rotating body for when said image forming apparatus is on standby for formation of an image to be carried out;

said developer of the single color is black developer; and

said developer container is operable without a stirring member for stirring the developer.

12. (currently amended): An image forming apparatus comprising

a rotatable rotating body that is provided with a plurality of developer containers, each of said developer containers being capable of containing developer of a different color, wherein, when said image forming apparatus continuously forms images on a plurality of sheets of media using the developer of a single color contained in one of said developer containers, said image forming apparatus causes rotational movement of said rotating body for at least one revolution at least either:

when said image forming apparatus starts to continuously form the images, or when said image forming apparatus ends the continuous formation of the images; and wherein, when said image forming apparatus continuously forms the images on the plurality of sheets of media using said developer of the single color, said image forming apparatus causes rotational movement of said rotating body every time a number of sheets of media on which the images have been formed reaches a predetermined number of sheets.

13. (currently amended): An image forming system comprising:
a computer;
a display device that is connectable to said computer; and
an image forming apparatus, wherein: said image forming apparatus is connectable to said computer; said image forming apparatus includes a rotatable rotating body to and from which a plurality of developer containers can be attached and detached, each of said developer containers being capable of containing developer of a different color; and when said image forming apparatus continuously forms images on a plurality of sheets of media using the developer of a single color contained in one of said developer containers attached to said rotating

body, said image forming apparatus causes rotational movement of said rotating body for at least one revolution at least either:

when said image forming apparatus starts to continuously form the images, or
when said image forming apparatus ends the continuous formation of the images; and
wherein, when said image forming apparatus continuously forms the images on the plurality of sheets of media using said developer of the single color, said image forming apparatus causes rotational movement of said rotating body every time a number of sheets of media on which the images have been formed reaches a predetermined number of sheets.

14. (previously presented): An image forming apparatus comprising a rotatable rotating body to and from which a plurality of developer containers can be attached and detached, each of said developer containers being capable of containing developer of a different color, wherein:

said image forming apparatus causes rotational movement of said rotating body at a predetermined frequency when said image forming apparatus continuously forms images on a plurality of sheets of media using the developer of a single color contained in one of said developer containers attached to said rotating body; and

the predetermined frequency after a number of sheets of media on which the images have been continuously formed has reached a predetermined number of sheets is higher than the predetermined frequency before said number of sheets reaches said predetermined number of sheets.

15. (original): An image forming apparatus according to claim 14, wherein:
when said image forming apparatus continuously forms the images on the plurality of number of sheets of media using said developer of the single color, said image forming apparatus causes rotational movement of said rotating body every time said number of sheets of media on which the images have been continuously formed reaches a unit number of sheets; and
the unit number of sheets after said number of sheets of media on which the images have been continuously formed has reached said predetermined number of sheets is smaller than the unit number of sheets before said number of sheets reaches said predetermined number of sheets.

16. (original): An image forming apparatus according to claim 14, wherein:
the rotational movement of said rotating body is one revolution; and
said image forming apparatus temporarily halts said rotating body at least once during
one revolution of said rotating body.

17. (original): An image forming apparatus according to claim 16, wherein
said developer container includes:
a developer bearing body for bearing the developer; and
a developer supplying member for supplying the developer to said developer bearing
body.

18. (original): An image forming apparatus according to claim 17, wherein:
said image forming apparatus further comprises an image bearing body for bearing a
latent image;
said rotating body has a rotating shaft at the center of said rotating body; and
the direction from the developer container, which is attached to said rotating body and
which contains said developer of the single color, towards said rotating shaft when said image
forming apparatus temporarily halts said rotating body during one revolution of said rotating
body is in the direction from said rotating shaft towards said developer container that contains
said developer of the single color when said rotating body is positioned at a predetermined
developing position for developing said latent image with said developer of the single color bore
by said developer bearing body.

19. (previously presented): An image forming apparatus according to claim 17, wherein:

said developer container includes a partitioning wall for partitioning said developer, the partitioning wall protruding inward from an inner wall of said developer container, and two developer containing sections formed by partitioning said developer container with said partitioning wall; and

said developer supplying member is provided in one of said two developer containing sections.

20. (original): An image forming apparatus according to claim 19, wherein when said image forming apparatus temporarily halts said rotating body during one revolution of said rotating body, an angle formed between a protruding direction of said partitioning wall of the developer container that is attached to said rotating body and that contains said developer of the single color and a vertically downward direction is smaller than 90°.

21. (original): An image forming apparatus according to claim 20, wherein a halt position of said rotating body for when said image forming apparatus temporarily halts said rotating body during one revolution of said rotating body is a standby position of said rotating body for when said image forming apparatus is on standby for formation of an image to be carried out.

22. (original): An image forming apparatus according to claim 14, wherein

said developer of the single color is black developer.

23. (previously presented): An image forming apparatus according to claim 14, wherein said developer container is operable without a stirring member for stirring the developer.

24. (previously presented): An image forming apparatus comprising a rotatable rotating body to and from which a plurality of developer containers can be attached and detached, each of said developer containers being capable of containing developer of a different color, wherein:

said image forming apparatus causes rotational movement of said rotating body at a predetermined frequency when said image forming apparatus continuously forms images on a plurality of sheets of media using the developer of a single color contained in one of said developer containers attached to said rotating body;

the predetermined frequency after a number of sheets of media on which the images have been continuously formed has reached a predetermined number of sheets is higher than the predetermined frequency before said number of sheets reaches said predetermined number of sheets;

when said image forming apparatus continuously forms the images on the plurality of number of sheets of media using said developer of the single color, said image forming apparatus causes rotational movement of said rotating body every time said number of sheets of media on which the images have been continuously formed reaches a unit number of sheets;

the unit number of sheets after said number of sheets of media on which the images have been continuously formed has reached said predetermined number of sheets is smaller than the unit number of sheets before said number of sheets reaches said predetermined number of sheets;

the rotational movement of said rotating body is one revolution;

said image forming apparatus temporarily halts said rotating body at least once during one revolution of said rotating body;

said developer container includes

a partitioning wall that is for partitioning said developer and that protrudes inward from an inner wall of said developer container, and

two developer containing sections formed by partitioning said developer container with said partitioning wall;

when said image forming apparatus temporarily halts said rotating body during one revolution of said rotating body, an angle formed between

a protruding direction of said partitioning wall of the developer container that is attached to said rotating body and that contains said developer of the single color and

a vertically downward direction is smaller than 90°;

said developer container includes

a developer bearing body for bearing the developer, and

a developer supplying member for supplying the developer to said developer bearing body;

said developer supplying member is provided in one of said two developer containing sections;

said image forming apparatus further comprises an image bearing body for bearing a latent image;

said rotating body has a rotating shaft at the center of said rotating body;

the direction from the developer container, which is attached to said rotating body and which contains said developer of the single color, towards said rotating shaft when said image forming apparatus temporarily halts said rotating body during one revolution of said rotating body is in the direction from said rotating shaft towards said developer container that contains said developer of the single color when said rotating body is positioned at a predetermined developing position for developing said latent image with said developer of the single color bore by said developer bearing body;

a halt position of said rotating body for when said image forming apparatus temporarily halts said rotating body during one revolution of said rotating body is a standby position of said rotating body for when said image forming apparatus is on standby for formation of an image to be carried out;

said developer of the single color is black developer; and

said developer container is operable without a stirring member for stirring the developer.

25. (previously presented): An image forming apparatus comprising a rotatable rotating body that is provided with a plurality of developer containers, each of said developer containers being capable of containing developer of a different color, wherein:
said image forming apparatus causes rotational movement of said rotating body at a predetermined frequency when said image forming apparatus continuously forms images on a

plurality of sheets of media using the developer of a single color contained in one of said developer containers; and

the predetermined frequency after a number of sheets of media on which the images have been continuously formed has reached a predetermined number of sheets is higher than the predetermined frequency before said number of sheets reaches said predetermined number of sheets.

26. (previously presented): An image forming system comprising:
a computer;
a display device that is connectable to said computer; and
an image forming apparatus, wherein: said image forming apparatus is connectable to said computer; said image forming apparatus includes a rotatable rotating body to and from which a plurality of developer containers can be attached and detached, each of said developer containers being capable of containing developer of a different color; said image forming apparatus causes rotational movement of said rotating body at a predetermined frequency when said image forming apparatus continuously forms images on a plurality of sheets of media using the developer of a single color contained in one of said developer containers attached to said rotating body; and the predetermined frequency after a number of sheets of media on which the images have been continuously formed has reached a predetermined number of sheets is higher than the predetermined frequency before said number of sheets reaches said predetermined number of sheets.

27 - 55 (canceled).